GRAIN-SIZE ANALYSIS (HYDROMETER METHOD)											
1. PROJECT								2. DATE			
3. BORING	G NUMBER			4. SAMPLE O	4. SAMPLE OR SPECIMEN NUMBER			5. CLASSIFICATION			
6. DISH NUMBER 7.				7. GRADUATI	7. GRADUATE NUMBER			8. HYDROMETER NUMBER/TYPE (151H/152H)			
9. DISPER	SING AGENT	USED						10. QUANTITY			
11. COMPOSITE CORRECTION 12.				12. DECIMAL F	2. DECIMAL FINES (Block 29, DD Form 1206)			13. SPECIFIC GRAVITY OF SOLIDS (Block 6n, DD Form 1208)			
14.	15. ELAPSED	16. ACTUAL	17. CORRECTE		19. TEMPERATURE AND	20. EFFECTIVI DEPTH (L)	/E	21. PARTICLE	2:	2.	
TIME	TIME, (T) minutes	HYDROMETER READING (R ¹)	READING (SPECIFIC GRAVITY CONSTANT (K)			DIAMETER (D), mm	PERCENT FINER a. PARTIAL b. TOTAL		
			<u> </u>								
			 	+							
WEIGHT	23. DISH +	DRY SOIL		· ·	The particle diameter (D) is calculated from Stokes' equation using the corrected hydrometer reading. Use the following formula to solve for particle diameter (D): $D = K \sqrt{L/T}$ Corrected hydrometer reading (R) = actual hydrometer reading (R ¹) + composite correction						
(Grams)	24. DISH			Corre							
25. DRY SOIL (Ws)											
$W_s = Oven-dry$ weight (in grams) of soil used for hydrometer analysis											
Hydrometer graduated in specific gravity (151H) Hydrometer graduated in grams per liter (152H)											
i	Partial Percent Finer = $ \frac{G_s}{G_s - 1} \times \frac{100,000}{W_s} $ (R - 1) $ \frac{(R)(a)}{W_s} \times 100 $										
(a = specific gravity of solids correction factor)											
Total Percent Finer = Partial Percent Finer x Decimal fines (Block 12)											
2514											
26. REMARKS											
							FROST GROUP:				
27. TECH	HNICIAN (Sig	gnature)		28. COMPU	COMPUTED BY (Signature)			29. CHECKED BY (Signature)			